

1644

UIPE

RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/09/875,519A

TIME: 09:58:51

Input Set : A:\30443.txt

Output Set: N:\CRF3\12172001\I875519A.raw

ENTERED

5 <110> APPLICANT: Farries, Timothy C.
7 Harrison, Richard A.
11 <120> TITLE OF INVENTION: Down-Regulation Resistant C3 Convertase
15 <130> FILE REFERENCE: 4-30443/A/IMU/PCT
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/875,519A
C--> 21 <141> CURRENT FILING DATE: 2001-06-06
25 <150> PRIOR APPLICATION NUMBER: PCT/GB97/00603
27 <151> PRIOR FILING DATE: 1997-03-04
31 <160> NUMBER OF SEQ ID NOS: 35
35 <170> SOFTWARE: PatentIn Ver. 2.0
39 <210> SEQ ID NO: 1
41 <211> LENGTH: 41
43 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
51 <223> OTHER INFORMATION: Description of Artificial Sequence:
53 oligodeoxynucleotide PL-ATC-3
57 <400> SEQUENCE: 1
59 tagggagacc ggaagcttgc cctotccctc tgtccctctg t 41
63 <210> SEQ ID NO: 2
65 <211> LENGTH: 30
67 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
77 oligodeoxynucleotide QR11
81 <400> SEQUENCE: 2
83 caactgcccga gccaaaagctc caagatcacc 30
87 <210> SEQ ID NO: 3
89 <211> LENGTH: 30
91 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence:
101 oligodeoxynucleotide QR12
105 <400> SEQUENCE: 3
107 gccagcctcc tgcaatcaga agagaccaag 30
111 <210> SEQ ID NO: 4
113 <211> LENGTH: 32
115 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence:
125 oligodeoxynucleotide AFL4149
129 <400> SEQUENCE: 4
131 taataaatc gaccttaagg tcaccataaa ac 32
135 <210> SEQ ID NO: 5

TECH CENTER 1600/2900

JAN 24 2002

RECEIVED

RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/09/875,519A

TIME: 09:58:51

Input Set : A:\30443.txt

Output Set: N:\CRF3\12172001\I875519A.raw

```

137 <211> LENGTH: 30
139 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense
149     oligodeoxynucleotide QRI1n
153 <400> SEQUENCE: 5
155 ggtgattcttg gagctttggc tgggcagttg 30
159 <210> SEQ ID NO: 6
161 <211> LENGTH: 30
163 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence:
173     antisense oligodeoxynucleotide
175     QRI2n
179 <400> SEQUENCE: 6
181 ctggtctct tctgattgca ggaggctggc 30
185 <210> SEQ ID NO: 7
187 <211> LENGTH: 32
189 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense
199     oligonucleotide AFL4149n
203 <400> SEQUENCE: 7
205 gttttatggt gaccttaagg tcgaatttat ta 32
209 <210> SEQ ID NO: 8
211 <211> LENGTH: 30
213 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
223     primer
227 <400> SEQUENCE: 8
229 caactgccca gckrsagctc caagatcacc 30
233 <210> SEQ ID NO: 9
235 <211> LENGTH: 30
237 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
249 <400> SEQUENCE: 9
251 caccaggaac tgaatctaga tgtgtccctc 30
255 <210> SEQ ID NO: 10
257 <211> LENGTH: 32
259 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/09/875,519A

TIME: 09:58:51

Input Set : A:\30443.txt

Output Set: N:\CRF3\12172001\I875519A.raw

```

267 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
271 <400> SEQUENCE: 10
273 gtttttatggt gaccttaagg tcgaatttat ta 32
277 <210> SEQ ID NO: 11
279 <211> LENGTH: 45
281 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
291 oligonucleotide
295 <400> SEQUENCE: 11
297 agtaacctgg gtctgggcat cattgcagga tcgggcatcg ttcc 45
301 <210> SEQ ID NO: 12
303 <211> LENGTH: 39
305 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
315 oligonucleotide
319 <400> SEQUENCE: 12
321 tgggtgttgac caatacatct ccgactatca gctggacaa 39
325 <210> SEQ ID NO: 13
327 <211> LENGTH: 44
329 <212> TYPE: DNA
331 <213> ORGANISM: Homo sapiens
335 <400> SEQUENCE: 13
337 tgggtgcccc aaccatcatc atcatcatca ttgaccacac cccc 44
341 <210> SEQ ID NO: 14
343 <211> LENGTH: 44
345 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
353 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
355 primer
359 <400> SEQUENCE: 14
361 ccagatgaca agtgcctgccg tcagccagtc agggctgaag cacc 44
365 <210> SEQ ID NO: 15
367 <211> LENGTH: 20
369 <212> TYPE: DNA
371 <213> ORGANISM: Artificial Sequence
375 <220> FEATURE:
377 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
381 <400> SEQUENCE: 15
383 tctcatcgtg ccgctaaaga 20
387 <210> SEQ ID NO: 16
389 <211> LENGTH: 20
391 <212> TYPE: DNA
393 <213> ORGANISM: Artificial Sequence
397 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/09/875,519A

TIME: 09:58:51

Input Set : A:\30443.txt

Output Set: N:\CRF3\12172001\I875519A.raw

```

399 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
401     primer
403 <400> SEQUENCE: 16
405 tqtcatgtg cgcctaaaga                                20
409 <210> SEQ ID NO: 17
411 <211> LENGTH: 35
413 <212> TYPE: DNA
415 <213> ORGANISM: Homo sapiens
419 <400> SEQUENCE: 17
421 aacggctgaa catattaatt cataccccct cgggc          35
425 <210> SEQ ID NO: 18
427 <211> LENGTH: 33
429 <212> TYPE: DNA
431 <213> ORGANISM: Artificial Sequence
435 <220> FEATURE:
437 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
439     primer
443 <400> SEQUENCE: 18
445 atctcgctgc gcaaggcttt cgatatttgc gag              33
449 <210> SEQ ID NO: 19
451 <211> LENGTH: 27
453 <212> TYPE: DNA
455 <213> ORGANISM: Artificial Sequence
459 <220> FEATURE:
461 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
463     primer
467 <400> SEQUENCE: 19
469 gaacgcctgg gcgaagaagg agtgcag                    27
473 <210> SEQ ID NO: 20
475 <211> LENGTH: 28
477 <212> TYPE: DNA
479 <213> ORGANISM: Artificial Sequence
483 <220> FEATURE:
485 <223> OTHER INFORMATION: Description of Artificial Sequence: mutagenic
487     primer
491 <400> SEQUENCE: 20
493 aacgcctgug ccaaggagga gtgcagaa                    28
497 <210> SEQ ID NO: 21
499 <211> LENGTH: 14
501 <212> TYPE: PRT
503 <213> ORGANISM: Homo sapiens
507 <400> SEQUENCE: 21
509 Glu Asp Ala Val Asp Ala Glu Arg Leu Lys His Leu Ile Val
511 1          5          10
517 <210> SEQ ID NO: 22
519 <211> LENGTH: 1663
521 <212> TYPE: PRT
523 <213> ORGANISM: Homo sapiens
527 <400> SEQUENCE: 22

```

RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/09/875,519A

TIME: 09:58:51

Input Set : A:\30443.txt

Output Set: N:\CRF3\12172001\I875519A.raw

```

529 Met Gly Pro Thr Ser Gly Pro Ser Leu Leu Leu Leu Leu Thr His
531 1 5 10 15
535 Leu Pro Leu Ala Leu Gly Ser Pro Met Tyr Ser Ile Ile Thr Pro Asn
537 20 25 30
541 Ile Leu Arg Leu Glu Ser Glu Glu Thr Met Val Leu Glu Ala His Asp
543 35 40 45
547 Ala Gln Gly Asp Val Pro Val Thr Val Thr Val His Asp Phe Pro Gly
549 50 55 60
553 Lys Lys Leu Val Leu Ser Ser Glu Lys Thr Val Leu Thr Pro Ala Thr
555 65 70 75 80
559 Asn His Met Gly Asn Val Thr Phe Thr Ile Pro Ala Asn Arg Glu Phe
561 85 90 95
565 Lys Ser Glu Lys Gly Arg Asn Lys Phe Val Thr Val Gln Ala Thr Phe
567 100 105 110
571 Gly Thr Gln Val Val Glu Lys Val Val Leu Val Ser Leu Gln Ser Gly
573 115 120 125
577 Tyr Leu Phe Ile Gln Thr Asp Lys Thr Ile Tyr Thr Pro Gly Ser Thr
579 130 135 140
583 Val Leu Tyr Arg Ile Phe Thr Val Asn His Lys Leu Leu Pro Val Gly
585 145 150 155 160
589 Arg Thr Val Met Val Asn Ile Glu Asn Pro Glu Gly Ile Pro Val Lys
591 165 170 175
595 Gln Asp Ser Leu Ser Ser Gln Asn Gln Leu Gly Val Leu Pro Leu Ser
597 180 185 190
601 Trp Asp Ile Pro Glu Leu Val Asn Met Gly Gln Trp Lys Ile Arg Ala
603 195 200 205
607 Tyr Tyr Glu Asn Ser Pro Gln Gln Val Phe Ser Thr Glu Phe Glu Val
609 210 215 220
613 Lys Glu Tyr Val Leu Pro Ser Phe Glu Val Ile Val Glu Pro Thr Glu
615 225 230 235 240
619 Lys Phe Tyr Tyr Ile Tyr Asn Glu Lys Gly Leu Glu Val Thr Ile Thr
621 245 250 255
625 Ala Arg Phe Leu Tyr Gly Lys Lys Val Glu Gly Thr Ala Phe Val Ile
627 260 265 270
631 Phe Gly Ile Gln Asp Gly Glu Gln Arg Ile Ser Leu Pro Glu Ser Leu
633 275 280 285
637 Lys Arg Ile Pro Ile Glu Asp Gly Ser Gly Glu Val Val Leu Ser Arg
639 290 295 300
643 Lys Val Leu Leu Asp Gly Val Gln Asn Pro Arg Ala Glu Asp Leu Val
645 305 310 315 320
649 Gly Lys Ser Leu Tyr Val Ser Ala Thr Val Ile Leu His Ser Gly Ser
651 325 330 335
655 Asp Met Val Gln Ala Glu Arg Ser Gly Ile Pro Ile Val Thr Ser Pro
657 340 345 350
661 Tyr Gln Ile His Phe Thr Lys Thr Pro Lys Tyr Phe Lys Pro Gly Met
663 355 360 365
667 Pro Phe Asp Leu Met Val Phe Val Thr Asn Pro Asp Gly Ser Pro Ala
669 370 375 380
673 Tyr Arg Val Pro Val Ala Val Gln Gly Glu Asp Thr Val Gln Ser Leu

```

VERIFICATION SUMMARY

DATE: 12/17/2001

PATENT APPLICATION: US/09/875,519A

TIME: 09:58:52

Input Set : A:\30443.txt

Output Set: N:\CRF3\12172001\I875519A.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date